

Appendix R: TEST SETUP PHOTOS

Figures R1-R8



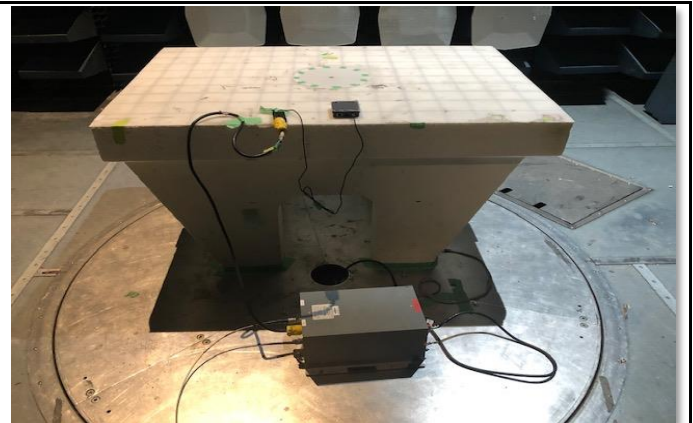
EUT-A: LAN2RF



EUT-B: ICX120



CEAC - Conducted Emissions - EUT-B



CEAC - Conducted Emissions - EUT-A



STAB - Frequency Stability



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PN	Manufacturer/Description	Reference	Model	Description
	IBC Technologies Inc.		LAN2RF / ICX120	System
2AUXY-LAN2RF	IBC Technologies Inc.	EUT-A	LAN2RF	Boiler interface
2AUXY-ICX120	IBC Technologies Inc.	EUT-B	ICX120	Internet gateway

Equipment Under Test

900 MHz ISM Gateway System



2AUXY-LAN2RF

2AUXY-ICX120

EUT Power

Input Power		Manufacturer	Model	Specification
AC Mains	ICX120	-	-	Linecord
USB	LAN2RF		SIMSLKAN	AC/DC Adapter - USB



2.1.1 Test Configuration

The EUT was configured for 'normal operation' at maximum rate load unless specified otherwise. All accessory cables were attached unless defined as 'craftsman' port used for diagnostic and configuration. Auxiliary Equipment (AE) (notebook computer and USB cable) may be present within test volume or contained within an external auxiliary RF shielded room or box during compliance testing .

The EUT was configured for test using the internal test mode provided by the manufacturer to simulate data transmission. This utility includes all modulation modes, transmit frequencies and power levels and all other configuration options required for testing excluding tests which are performed in "normal" mode of operation.

Refer to manufacturers documentation for additional details of modulation types, technology, applicable data transfer rates, channels and other information. Multiple antenna output (beamforming) does not apply.

Test Modes

Test Mode	TX0		Modulation	
	Modulation Class	Channel Frequency MHz		
Normal Operation	custom	902.3, 915, 927.7	2-GFSK	Single transmit packet
Continuous Operation	custom	902.3, 915, 927.7	2-GFSK	Duty cycle > 94%
Continuous CW	custom	902.3, 915, 927.7	CW	Duty cycle > 94%
Notes: 1. Device is classified as narrowband digital transmission system (DTS) with occupied bandwidth of less than 100 kHz. 2. Device operated in continuous transmit and normal (single packet transmission) modes. 3. Device may be operated in CW mode where applicable.				

Modulations

Product operates with single modulation mode.